```
RESULT
                                         N70546/c
                                         LOCUS
                                                            N70546
                                                                                   440 bp
                                                                                                   mRNA
                                                                                                                              EST
                                                                                                                                               14-MAR-1996
                                                            za83c12.s1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
                                        DEFINITION
                                                            IMAGE: 299158 3', mRNA sequence.
                                                            N70546
g1227126
                                        ACCESSION
SEQ DO:9
                                         NID
                                         VERSION
                                                            N70546.1 GI:1227126
                                        KEYWORDS
                                                            EST.
                                        SOURCE
                                                            human.
                                            ORGANISM
                                                            Homo sapiens
                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                            Eutheria; Primates; Catallini, nom-
1 (bases 1 to 440)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Eclman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
                                         REFERENCE
                                            AUTHORS
                                                            The WashU-Merck EST Project
                                                            Unpublished (1995)
On Apr 14, 1993 this sequence version replaced gi:785683.
                                            JOURNAY.
                                        COMMENT
                                                            Contact: Wilson RK
Washington University School of Medicine
                                                            4444 Forest Fark Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810
                                                            Email: est@watson.wustl.edu
                                                            This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. See primer: m13 -40 forward
                                                            High quality sequence stop: 354.

Location/Qualifiers
                                        FEATURES
                                                source
                                                                           1. .440
                                                                           /organism="Homo sapiens"
                                                                           /organism="Homo sapiens"
/db_xref="GDB:1244082"
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/map="3 p21.2-p13"
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/clone_lib="Soares_fetal_lung_NbHL19W"
/dev_stage="19 weeks"
                                                                               133 t
                                                                          89 a
                                                                                        96 c
                                                                                                     120 q
                                             BASE COUNT
                                             ORIGIN
                                                 Query Match 2.9%; Score 301.6; DB 25; Length 440; Best Local Similarity 95.4%; Pred. No. 5.1e-46; Matches 372; Conservative 0; Mismatches 16; Indels 2;
                                              Db
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2; Gaps tgcccgc-cagcgttgctgggaaaagatgtgcctccctccctagtttctgtaaaccc-a 9127 Qy Db Qy Db Qy Db Qу Db Qy Db Qy Db

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RESULT
N70546/c
                            440 bp
                                                         EST
                                                                    14-MAR-1996
             N70546
LOCUS.
                         Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
DEFINITION
             za83c1.
             INAGE: 2
                        38 3', mRNA sequence.
             N70546
ACCESSION
             g12271.
MID
                           1227126
VERSION
             N70546.
KEYWORDS
             EST.
SOURCE
             human .
  ORGANISM
             Homo sar
                                      ordata; Craniata; Vertebrata; Mammalia; arrhini; Hominidae; Homo.
             Eukaryota
                           ·tazoa;
             Eutheria:
                           mates:
                           0 440)
REFERENCE
                bases
                                     Dubuque, T., Elliston, K., Hawkins, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Rohlfing, T., Soares, M., Tan, F., , R., Williamson, A., Wohldmann, P. and
             Hillier,L.
                           Mark, N
  AUTHORS
             Holman, M, , tman, i
             Parsons, J., Rifkin,
Trevaskis, E., Water
             Wilson, R.
             The Washu-Merck EST
  TITLE
             Unpublished (1995)
On Apr 14, 1993 this
   JOURNAL
                                      quence version replaced gi:785683
COMMENT
                          lson RK
                          University School of Medicine
              Washi...
             4444 \ ...
Tel: ::
                           Park Parkway, Box 8501, St. Louis, MO 63108
             Tel: ... .86 1800
Pax: 314 286 1810
             Email: est@watson.wustl.edu
This clone is available royalty-free through LLN; ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: ml3 -40 forward
High quality sequence stop: 354.
Location/Qualifiers
 FEATURES
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/db_xref="taxon:9606"
                       /db_xrer="taxon:9000"
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                       BASE COUNT
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                                                                            Gaps
     Qу
Db
     Qу
DΕ
     Qγ
Db
     Qy
Db
                                                             AGCACTTALUCCC 201
     Qy
Эb
      Эy
     2504
οb
```

2;

Qy

Db

25(4 aaagacccgagacaaaattgaaacctcttc 2593

55 SEO 75) No.110

```
RESULT
  W05407
  LOCUS
              W05407
                           473 bp
                                      mRNA
                                                      EST
                                                                23-APR-1996
              za83c12.rl Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
.IMAGE:299158 5' similar to SW:zF26_MOUSE P10076 ZINC FINGER PROTEIN
  DEFINITION
              ZFP-26 ;, mRNA sequence.
  ACCESSION
              W05407
              q1278138
  VERSION
              W05407.1 GI:1278138
  KEYWORDS.
              EST.
  SOURCE
              human.
    ORGANISM
              Homo sapiens
             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 473)
Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohling, T., Soares, M., Tan, F., Trevaskis F.
  REFERENCE
    AUTHORS
              Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
             The WashU-Merck EST Project Unpublished (1995)
    TITLE
    JOURNAL
  COMMENT
              Contact: Wilson RK
              Washington University School of Medicine
              4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
             Tel: 314 286 1800
Fax: 314 286 1810
              Email: est@watson.wustl.edu
             FEATURES
                      BASE COUNT
                  139 a
                        104 c 126 g 100 t
                                                        4 others
  ORIGIN
                       1.50
                                      35
   Query Match 11.5%; Score 367.8; DB 25; Length 473; Best Local Similarity 96.4%; Pred. No. 8.4e-97;
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  Db
      Qу
  Db
                                        10
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 Qу
  Db
      1286 atgaaaatggagccgtggatcgaggggaaggtggttctgaagacggatctgaggatgggc 1345
  Qу
  Db
       179 ATGAAAATGGAGCCGTGGATCGAGGGGAAGGTGGTTCTGAAGACGGATCTGAGGATGGGC 238
      Qy
 Db
      Qy
                                                                                इंद्रक्ष्य व्यक्त
 Db
                                                                                  71 3. e.g. $36 JF
      1466 attiticagaacgcatacaggtgaaaaaccatacaaatgtgaattttgtgaatatgctgcag 1525
 Qy
 Db
       1526 cc 1527
  Qу
                             24.0
                                                                                           1
       419 CC 420
  Db
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16. 82

VS SEQ ID 100:9

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RESULT '14
Q63862/c
                 Q63862 standard; cDNA; 283 BP.
                 C63862;

29-JAN-1995 (first entry)

AP2 sequence obtd. by PCR for tumour specific DNA.

Arbitrary primers; AP-PCR; amplification; tumour cells; cancer;

insertions; deletions; ss.
CA
TG
                  Synthetic.
W09411531-A.
                 WO9411531-A.
26-MAY-1994.
32-NOV-1993; U10904.
33-NOV-1992; US-975737.
(CALB-) CALIFORNIA INST BIOLOGICAL RES.
IONOV Y, Malkhosyan S, Mcclelland M, Peinado MA;
Perucho M, Welshj;
WPI; 94-183529/22.
**Perucho M, Welshj; Perucho M, Welshj; Per
PΙ
                   Identification of tumour cells - by analysing DNA to determine whether insertions or deletions have occurred in reiterated
                              Disclosure; Page 52; 67pp; English.

The sequence was obtd. by PCR with arbitrary PCR primers used to detect insertions or deletions in DNA sequences. Such mutations are markers of cancer so such primers can be used in the diagnosis of cancer, esp. colorectal, stomach or pancreatic tumours.

See also 063837-63.

Sequence 283 RP. 63 A. 77 C. 94 G. 49 T.
            PS
            CC
            CC
                                                                                                                                              77 C;
                               Sequence 283 BP;
                                                                                                                  63 A;
                                                                                                                                                                                         94 G:
                    Query Match 2.0%; Score 207.2; DB 1; Length 283; Best Local Similarity 87.3%; Pred. No. 5e-37; Matches 227; Conservative 0; Mismatches 33; Indels 0
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                   Best Local Similarity
Matches 227; Conservative
                               Oy
            Db
                               Qy
            Db
                               Qy
            Db
                                                                                                                                                                                                                                                  1.1
                               7696 cccatagtgttggcctccca 7715
|||| ||| ||| || ||
43 CCCAAAGTGCTGGGATTACA 24
            Qy
```

्राक्ष्याच्या । अस्त्रीहरू